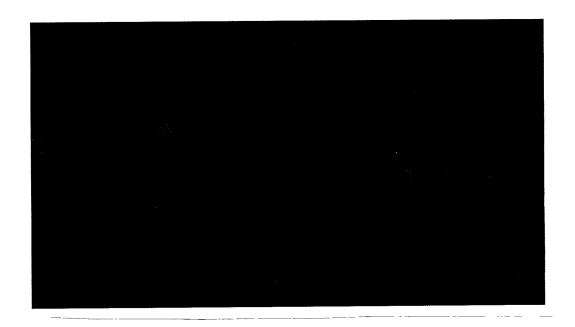


GFP-LCA (wt)

Figure 1



**GFP-TLCA** 

Figure 2

	RGIITSK	L'FEFYKLICV	NGONTEINNM NFTKLKNFTG LFEFYKLLCV RGIITSK	NGONTEINNM	401
LRNTNLAANF	VNYTIYDGFN	AVEKINIVPK	DNEVKFFKVL NRKTYLNFDK AVFKINIVPK VNYTIYDGFN	DNEVKFFKVL	351
YKMLTEIYTE	LLSEDTSGKF SVDKLKFDKL 'YKML'TEIYTE	LLSEDTSGKF	SIVGTTASLQ YMKNVFKEKY	SIVGTTASLQ	301
FRLYYYNKFK DIASTLNKAK		KFIDSLQENE	EMSGLEVSFE ELRTFGGHDA KFIDSLQENE	EMSGLEVSFE	251
VEKVNTNAYY	AHELIHAGHR LYGIAINPNR VFKVNTNAYY	AHELIHAGHR	VDTNPLLGAG KFATDPAVTL	VDTNPLLGAG	201
FTFGFEESLE	VLNLTRNGYG STQYIRFSPD FTFGFEESLE	VLNLTRNGYG	QFECKSFGHE	VIIGPSADII	151
GSYRSEELNL	TIDTELKVID TNCINVIQPD GSYRSEELNL	TIDTELKVID	VRGIPFWGGS	DLGRMLLTSI	101
TKLFERIYST	YYDSTYLSTD NEKDNYLKGV TKLFERIYST	YYDSTYLSTD	PPEAKQVPVS	TNPEEGDLNP	51
IWVIPERUTE	IKTPNVGQMQ PVKAFKIHNK IWVIPEKUTF	IKI'PNVGQMQ	PFVNKQFNYK DPVNGVDIAY	PFVNKOFNYK	<del></del> l

Figure 3

## **GFP-LCA (AA mut)**

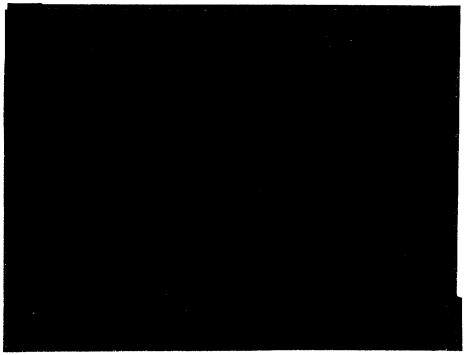


Figure 4

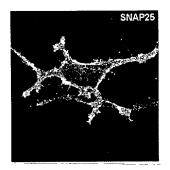
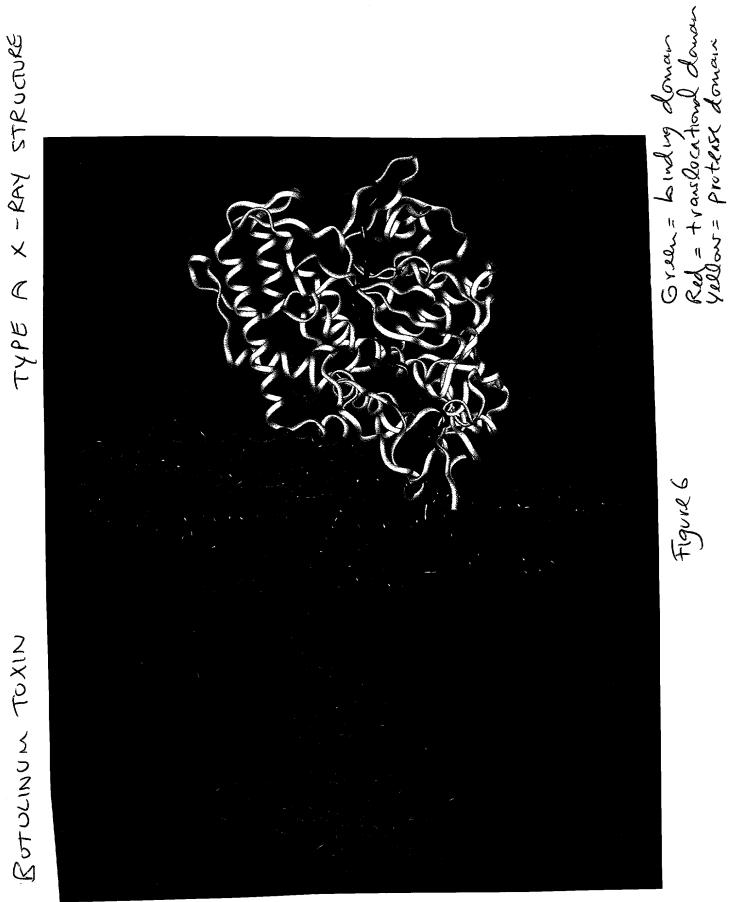
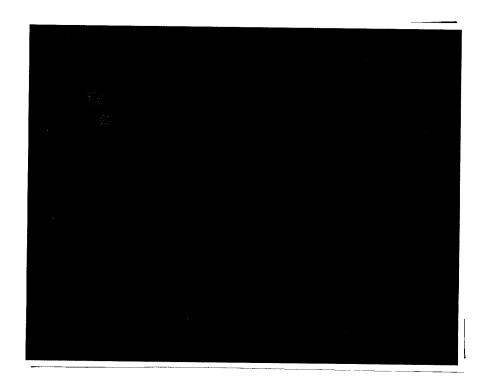


Figure 5





**GFP-LCB(wt)** 

Figure 7

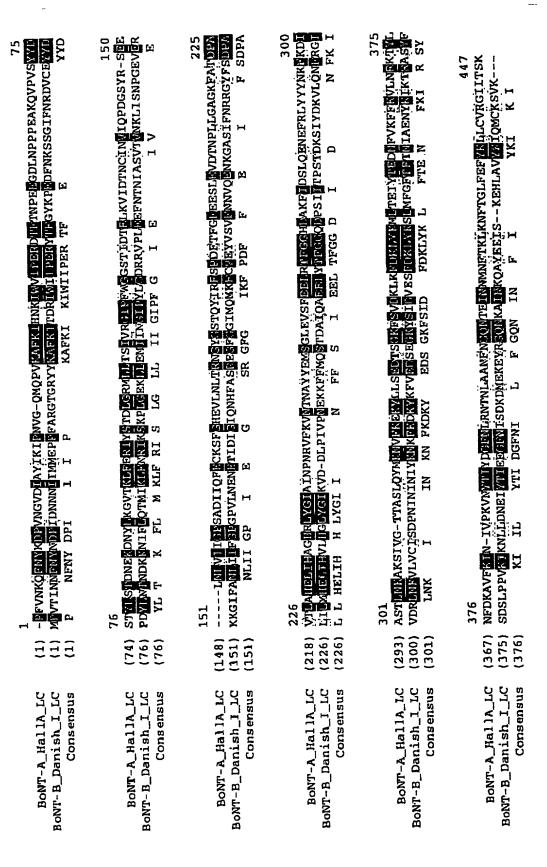
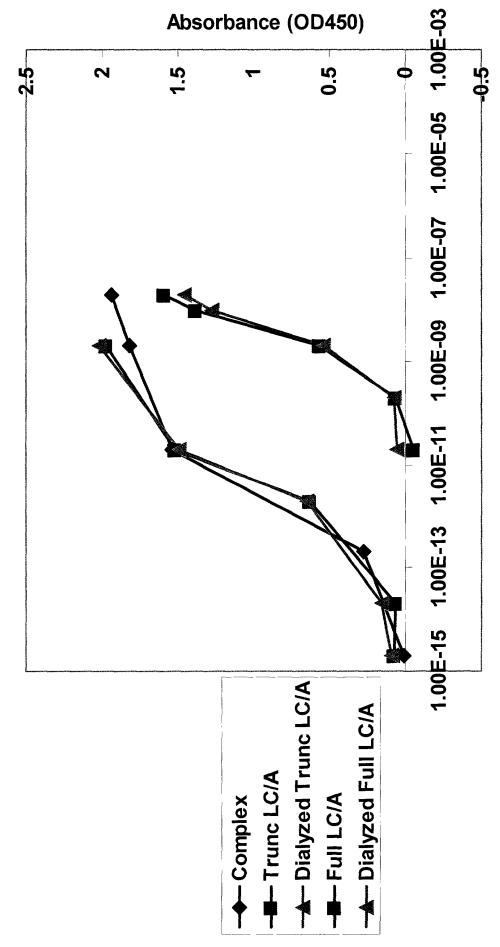


Figure 8

## BirA-SNAP25 Assay of rLC/A Activity



Toxin Concentration (moles/L)

Figura 9

## Comparison of LC/A constructs expressed from E. coli for in vitro analysis

	6xHis	S-tag	אסטאיואיי
Vildtype LC/A	//A		
min LC/A	MHHHHHSSGLVPRGSGMK	MHHHHHHSSGLVPRGSGMKETAAAKFERQHMDSPDLGTDDDDKAMYKDFV	·YKDFV
V-His LC/A	MHHHHHHSSGLVPRGSGMK	V-His LC/A MHHHHHHHSSGLVPRGSGMKETAAAKFERQHMDSPDLGTDDDDKAMGSFVNKQFNYKDPV	NYKDPV

...NFTKL..................TRAHHHHH Wildtype LC/A...NFTKLKNFTGLF**EFYKLL**CVRGIITSK N-His LC/A ...NFTKLKNFTGLFEFYKLLCVRGIITSK

6xHis

- Truncated LC construct published
- Kadkhodayan, S. et al. Prot. Exp. Purif. 2000, 19, 125-130
- Crystal structure reported at IBRCC in Oct. 2000

